

# 10/790, 908 / EAST Search History / Interference

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	143	250/227-14-227.18.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 14:33
		385/12.ccls. and (wellbore welllog\$4 (well near1 (log\$4 bore dig drill))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 14:28
		(optic\$4 near5 (sensor\$3 sens\$3)) and (well near3 logging)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 20:06
S2	9909	(light optic\$2) with (transmit\$4 transmission propagat\$4) with quality	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 20:12
S3	1	S1 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 11:23
S4	420	(light optic\$2) with (transmit\$4 transmission propagat\$4) with quality with monitor\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 11:28
S5	18769	(optic\$2 near1 fiber) with well	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 11:28
S6	25	S4 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 11:28

## EAST Search History

S7	7887	(optic\$2 near3 cable) same well	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 20:06
S8	6510	(optic\$2 near3 cable) with (deliver\$4 convey\$4 install\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 20:08
S9	1258	S7 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 20:07
S10	532	S7 same S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 20:07
S11	2178	(optic\$2 near3 cable) with (deliver\$4 convey\$4 install\$5) same connect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 20:08
S12	450	S7 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 20:09
S13	37	S7 same S11 and (well near5 (drill\$4 log\$4 dig\$4 pack\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 20:21
S15	8	((("6,766,853") or ("6,684,950") or ("6,017,227") or ("4,756,595") or ("6,666,274") or ("20040173350") or ("20020125008") or ("20030213598")).PN.	US-PGPUB; USPAT	OR	OFF	2006/01/31 20:24

## EAST Search History

S16	18	((("6,478,091") or ("6,527,052") or ("4,483,584") or ("4,887,883") or ("5,645,483") or ("6,758,272") or ("20040256137") or ("5,505,260") or ("6,837,310") or ("6,758,271") or ("6,281,489") or ("4,690,212") or ("6,006,828") or ("20050109518") or ("20040065439") or ("20040256127") or ("20020125008") or ("20030141075"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/01/31 20:26
S17	9	((("4,442,893") or ("4,375,237") or ("5,577,925") or ("4,921,438") or ("4,624,309") or ("4,757,859") or ("4,825,946") or ("4,828,027") or ("4,846,269"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/01/31 20:29
S18	1	("6684950").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:18
S19	8254	halliburton.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 20:30
S20	10821	schlumberger.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/31 20:30
S21	137	(S19 S20) and (optic\$2 near3 cable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 09:32
S22	5	(assembly and convey and well and optic\$2 and connect\$4).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 09:34
S23	9	(assembly and convey and well and optic\$2).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 09:35

## EAST Search History

S24	4	S23 not S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 09:34
S25	138	(assembly and convey\$3 and well and optic\$2).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 09:35
S26	8254	halliburton.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 09:35
S27	2	S25 and S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 09:35
S28	1	("6758272").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/01 10:40
S29	87	well near3 (packing packed packs pack) same monitor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 10:41
S30	187	well near3 (packing packed packs pack) same monitor\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 10:42
S31	72060	monitor\$3 with optic\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 10:42
S32	20	S30 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 11:40

## EAST Search History

S33	5	"5505944"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 11:40
S34	5	riordan.in. and westech.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/01 12:12
S35	23	((("6,464,405") or ("6,439,778") or ("6,332,787") or ("5,803,167") or ("6,684,950") or ("6,332,787") or ("6,186,229") or ("4,134,455") or ("5,727,630") or ("6,378,610") or ("6,302,203") or ("5,947,198") or ("5,251,708") or ("6,062,073") or ("5,831,156") or ("6,568,481") or ("5,645,438") or ("6,736,545") or ("5,778,978") or ("6,349,770") or ("5,048,610") or ("20030192708") or ("20020125008") or ("20020014340"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/01 12:12
S36	8	((("6,766,853") or ("6,684,950") or ("6,017,227") or ("4,756,595") or ("6,666,274") or ("20040173350") or ("20020125008") or ("20030213598"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/01 12:12
S37	18	((("6,478,091") or ("6,527,052") or ("4,483,584") or ("4,887,883") or ("5,645,483") or ("6,758,272") or ("20040256137") or ("5,505,260") or ("6,837,310") or ("6,758,271") or ("6,281,489") or ("4,690,212") or ("6,006,828") or ("20050109518") or ("20040065439") or ("20040256127") or ("20020125008") or ("20030141075"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/01 12:12
S38	9	((("4,442,893") or ("4,375,237") or ("5,577,925") or ("4,921,438") or ("4,624,309") or ("4,757,859") or ("4,825,946") or ("4,828,027") or ("4,846,269"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/01 12:12
S39	55	S35 S36 S37 S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 20:59

## EAST Search History

S40	89032	(well near3 (drill\$4 logg\$3)) wellbore (well adj1 bore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 15:00
S41	280596	((drill\$4 logg\$3)) and (well wellbore (well adj1 bore))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 20:17
S42	70982	S40 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 20:17
S43	4760	(optic\$2 near1 fiber) same ((temperature thermal thermo) near3 sens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 20:18
S44	189	S42 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 20:21
S45	2	"5570437".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 20:21
S46	23	((("6,464,405") or ("6,439,778") or ("6,332,787") or ("5,803,167") or ("6,684,950") or ("6,332,787") or ("6,186,229") or ("4,134,455") or ("5,727,630") or ("6,378,610") or ("6,302,203") or ("5,947,198") or ("5,251,708") or ("6,062,073") or ("5,831,156") or ("6,568,481") or ("5,645,438") or ("6,736,545") or ("5,778,978") or ("6,349,770") or ("5,048,610") or ("20030192708") or ("20020125008") or ("20020014340")).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/13 20:58

## EAST Search History

S47	23	((("6,464,405") or ("6,439,778") or ("6,332,787") or ("5,803,167") or ("6,684,950") or ("6,332,787") or ("6,186,229") or ("4,134,455") or ("5,727,630") or ("6,378,610") or ("6,302,203") or ("5,947,198") or ("5,251,708") or ("6,062,073") or ("5,831,156") or ("6,568,481") or ("5,645,438") or ("6,736,545") or ("5,778,978") or ("6,349,770") or ("5,048,610") or ("20030192708") or ("20020125008") or ("20020014340"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/13 20:59
S48	8	((("6,766,853") or ("6,684,950") or ("6,017,227") or ("4,756,595") or ("6,666,274") or ("20040173350") or ("20020125008") or ("20030213598"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/13 20:59
S49	18	((("6,478,091") or ("6,527,052") or ("4,483,584") or ("4,887,883") or ("5,645,483") or ("6,758,272") or ("20040256137") or ("5,505,260") or ("6,837,310") or ("6,758,271") or ("6,281,489") or ("4,690,212") or ("6,006,828") or ("20050109518") or ("20040065439") or ("20040256127") or ("20020125008") or ("20030141075"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/13 20:59
S50	9	((("4,442,893") or ("4,375,237") or ("5,577,925") or ("4,921,438") or ("4,624,309") or ("4,757,859") or ("4,825,946") or ("4,828,027") or ("4,846,269"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/13 20:59
S51	18	(S47 S48 S49 S50) and ((optic\$2 near3 fiber) with connector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 21:00
S52	5	(S47 S48 S49 S50) and ((optic\$2 near3 cable) with connector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 21:00
S54	151465	("wells" same (drill\$4 logg\$3)) wellbore (well adj1 bore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 16:59

## EAST Search History

S55	281041	((drill\$4 logg\$3)) and (well wellbore (well adj1 bore))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 15:04
S56	4770	(optic\$2 near1 fiber) same ((temperature thermal thermo) near3 sens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 15:04
S57	262	S54 and S55 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 15:04
S58	151465	("wells" same (drill\$4 logg\$3)) wellbore (well adj1 bore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 16:59
S59	151465	("wells" same (drill\$4 logg\$3)) wellbore (well adj1 bore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:48
S60	26	S59 and (optic\$2 near3 (fiber cable)) with anchor\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:45
S61	3	((("5,193,614") or ("5,269,377") or ("5,435,351"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/02/16 18:33
S62	246	S59 and (optic\$2 near3 (fiber cable)) and (gravel with pack\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:09
S63	1	10/790908	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 14:03



## EAST Search History

S64	1665	S59 and (complet\$4 near2 string)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:49
S65	355	S59 and (completion adj1 string)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:54
S66	69	S59 and (completion adj1 string) with (production near3 string)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 18:54
S67	7	S59 and (optic\$2 near3 (fiber cable)) and (gravel with pack\$3) with (completion adj1 string)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:17
S68	455	367/25.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:10
S69	0	367/25.ccls. and (gravel near3 pack\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:11
S70	109	367/25.ccls. and (string)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:11
S71	28	S59 and (gravel with pack\$3) with (completion adj1 string)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/16 19:17

## EAST Search History

S72	172	(optic\$4 near5 (sensor\$3 sens\$3)) and (well near3 logging)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 17:31
S73	10877	(light optic\$2) with (transmit\$4 transmission propagat\$4) with quality	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 17:31
S74	1	S72 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 17:31
S75	462	(light optic\$2) with (transmit\$4 transmission propagat\$4) with quality with monitor\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 17:31
S76	20551	(optic\$2 near1 fiber) with well	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 17:31
S77	27	S75 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/09 17:34
S78	7	((("6,874,361") or ("6,933,491") or ("5,435,351") or ("6,152,608") or ("6,983,796") or ("6951252") or ("20030196820")).PN. or (2002/0162666).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/08/09 17:35
S79	6	(assembly and convey and well and optic\$2 and connect\$4).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 12:33

## EAST Search History

S80	159113	("wells" same (drill\$4 logg\$3)) wellbore (well adj1 bore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 12:33
S81	302486	((drill\$4 logg\$3)) and (well wellbore (well adj1 bore))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 12:33
S82	5178	(optic\$2 near1 fiber) same ((temperature thermal thermo) near3 sens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 12:33
S83	316	S80 and S81 and S82	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 12:33
S84	159113	("wells" same (drill\$4 logg\$3)) wellbore (well adj1 bore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 13:44
S85	30	S84 and (optic\$2 near3 (fiber cable)) with anchor\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 13:44
S86	193	340/853.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 14:05
S87	54	S86 and (optic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 14:08

## EAST Search History

S88	153	346/33.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 14:06
S89	477	367/25.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 14:28
S90	33	385/12.ccls. and (wellbore wellog\$4 (well near1 (log\$4 bore dig drill)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 14:33
S91	1259	250/227.14-227.18.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 14:33
S92	34	S91 and (wellbore wellog\$4 (well near1 (log\$4 bore dig drill)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 14:34
S93	10	385/53.ccls. and (wellbore wellog\$4 (well near1 (log\$4 bore dig drill)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/18 14:34

Day : Monday  
Date: 12/18/2006


**PALM INTRANET**

Time: 16:11:01

**Inventor Name Search Result**

Your Search was:

Last Name = RINGGENBERG

First Name = PAUL

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>08238417</u>	<u>5558162</u>	150	05/05/1994	MECHANICAL LOCKOUT FOR PRESSURE RESPONSIVE DOWNHOLE TOOL	RINGGENBERG, PAUL
<u>08242567</u>	<u>5411097</u>	150	05/13/1994	HIGH PRESSURE CONVERSION FOR CIRCULATING/SAFETY VALVE	RINGGENBERG, PAUL
<u>08481555</u>	<u>5597016</u>	150	06/07/1995	MECHANICAL LOCKOUT FOR PRESSURE RESPONSIVE DOWNHOLE TOOL	RINGGENBERG, PAUL
<u>08481558</u>	<u>5518073</u>	150	06/07/1995	MECHANICAL LOCKOUT FOR PRESSURE RESPONSIVE DOWNHOLE TOOL	RINGGENBERG, PAUL
<u>08980597</u>	<u>6177882</u>	150	12/01/1997	ELECTROMAGNETIC -TO- ACOUSTIC AND ACOUSTIC-TO-ELECTROMAGNETIC REPEATERS AND METHODS FOR USE OF SAME	RINGGENBERG, PAUL
<u>08657236</u>	<u>5813460</u>	150	06/03/1996	FORMATION EVALUATION TOOL AND METHOD FOR USE OF THE SAME	RINGGENBERG, PAUL D
<u>09036886</u>	<u>6098727</u>	150	03/05/1998	ELECTRICALLY INSULATING GAP SUBASSEMBLY	RINGGENBERG, PAUL D
<u>09539457</u>	<u>6439324</u>	150	03/30/2000	ELECTRICALLY INSULATING GAP SUBASSEMBLY FOR DOWNHOLE ELECTROMAGNETIC TRANSMISSION	RINGGENBERG, PAUL D.
<u>09690767</u>	<u>6435282</u>	250	10/17/2000	ANNULAR FLOW SAFETY VALVE AND METHODS	RINGGENBERG, PAUL D.
<u>09848562</u>	<u>6536530</u>	150	05/03/2001	HYDRAULIC CONTROL	RINGGENBERG,

				SYSTEM FOR DOWNHOLE TOOLS	PAUL D.
<u>09912262</u>	<u>6768214</u>	150	07/24/2001	VIBRATION BASED POWER GENERATOR	RINGGENBERG, PAUL D.
<u>09977026</u>	Not Issued	164	10/12/2001	APPARATUS AND METHOD FOR PERFORATING A SUBTERRANEAN FORMATION	RINGGENBERG, PAUL D.
<u>10268439</u>	<u>7048066</u>	150	10/09/2002	DOWNHOLE SEALING TOOLS AND METHOD OF USE	RINGGENBERG, PAUL D.
<u>10288794</u>	<u>7093674</u>	150	11/04/2002	DRILLING FORMATION TESTER, APPARATUS AND METHODS OF TESTING AND MONITORING STATUS OF TESTER	RINGGENBERG, PAUL D.
<u>10317319</u>	<u>7096976</u>	150	12/12/2002	DRILLING FORMATION TESTER, APPARATUS AND METHODS OF TESTING AND MONITORING STATUS OF TESTER	RINGGENBERG, PAUL D.
<u>10355444</u>	<u>6755249</u>	150	01/31/2003	APPARATUS AND METHOD FOR PERFORATING A SUBTERRANEAN FORMATION	RINGGENBERG, PAUL D.
<u>10438793</u>	Not Issued	93	05/15/2003	HYDRAULIC CONTROL AND ACTUATION SYSTEM FOR DOWNHOLE TOOLS	RINGGENBERG, PAUL D.
<u>10648977</u>	Not Issued	93	08/27/2003	SINGLE PHASE SAMPLING APPARATUS AND METHOD	RINGGENBERG, PAUL D.
<u>10790908</u>	Not Issued	121	03/02/2004	Distributed temperature sensing in deep water subsea tree completions	RINGGENBERG, PAUL D.
<u>10828085</u>	Not Issued	41	04/20/2004	Fiber optic wet connector acceleration protection and tolerance compliance	RINGGENBERG, PAUL D.
<u>10873849</u>	Not Issued	41	06/22/2004	Fiber optic splice housing and integral dry mate connector system	RINGGENBERG, PAUL D.
<u>11038369</u>	Not Issued	41	01/19/2005	Fiber optic delivery system and side pocket mandrel removal system	RINGGENBERG, PAUL D.
<u>11182641</u>	Not Issued	30	07/15/2005	Safety valve apparatus for downhole pressure transmission systems	RINGGENBERG, PAUL D.

<u>60406619</u>	Not Issued	159	08/27/2002	Single phase sampling apparatus and method	RINGGENBERG, PAUL D.
<u>06566946</u>	Not Issued	161	12/30/1983	PACKER AND ACTUATION PORTION OF TUBING CONVEYED COMPLETION SYSTEM	RINGGENBERG, PAUL D.
<u>06567011</u>	Not Issued	161	12/30/1983	TUBING CONVEYED COMPLETION SYSTEM	RINGGENBERG, PAUL D.
<u>06596321</u>	<u>4633952</u>	150	04/03/1984	MULTI-MODE TESTING TOOL AND METHOD OF USE	RINGGENBERG, PAUL D.
<u>06697604</u>	<u>4619319</u>	150	02/01/1985	PACKER AND ACTUATION PORTION OF TUBING CONVEYED COMPLETION SYSTEM	RINGGENBERG, PAUL D.
<u>06751758</u>	<u>4753292</u>	150	07/03/1985	METHOD OF WELL TESTING	RINGGENBERG, PAUL D.
<u>06797375</u>	<u>4657082</u>	150	11/12/1985	CIRCULATION VALVE AND METHOD FOR OPERATING THE SAME	RINGGENBERG, PAUL D.
<u>06797727</u>	<u>4650001</u>	150	11/12/1985	ASSEMBLY FOR REDUCING THE FORCE APPLIED TO A SLOT AND LUG GUIDE	RINGGENBERG, PAUL D.
<u>06797730</u>	<u>4657083</u>	150	11/12/1985	PRESSURE OPERATED CIRCULATING VALVE WITH RELEASABLE SAFETY AND METHOD FOR OPERATING THE SAME	RINGGENBERG, PAUL D.
<u>06800172</u>	<u>4693316</u>	150	11/20/1985	ROUND MANDREL SLIP JOINT	RINGGENBERG, PAUL D.
<u>06808902</u>	<u>4667743</u>	150	12/12/1985	LOW PRESSURE RESPONSIVE TESTER VALVE WITH RATCHET	RINGGENBERG, PAUL D.
<u>06848428</u>	<u>4665983</u>	150	04/03/1986	FULL BORE SAMPLER VALVE WITH TIME DELAY	RINGGENBERG, PAUL D.
<u>06876967</u>	<u>4694903</u>	150	06/20/1986	FLAPPER TYPE ANNULUS PRESSURE RESPONSIVE TUBING TESTER VALVE	RINGGENBERG, PAUL D.
<u>06923800</u>	<u>4729430</u>	150	10/27/1986	PRESSURE LIMITER FOR A DOWNHOLE PUMP AND TESTING APPARATUS	RINGGENBERG, PAUL D.
<u>06948340</u>	<u>4711305</u>	150	12/31/1986	MULTI-MODE TESTING TOOL AND METHOD OF TESTING	RINGGENBERG, PAUL D.
<u>07078484</u>	<u>4817723</u>	150	07/27/1987	APPARATUS FOR	RINGGENBERG,

				RETAINING AXIAL MANDREL MOVEMENT RELATIVE TO A CYLINDRICAL HOUSING	PAUL D.
<u>07269387</u>	<u>4848463</u>	150	11/09/1988	SURFACE READ-OUT TESTER VALVE AND PROBE	RINGGENBERG, PAUL D.
<u>07592686</u>	<u>5180015</u>	150	10/04/1990	HYDRAULIC LOCKOUT DEVICE FOR PRESSURE CONTROLLED WELL TOOLS	RINGGENBERG, PAUL D.
<u>07693759</u>	<u>5193621</u>	150	04/30/1991	BYPASS VALVE	RINGGENBERG, PAUL D.
<u>07737751</u>	<u>5291796</u>	250	07/30/1991	APPARATUS AND METHOD FOR DRAINING HIGH PRESSURE FLUID SAMPLES WITHOUT MERCURY	RINGGENBERG, PAUL D.
<u>07780161</u>	<u>5180007</u>	150	10/21/1991	LOW PRESSURE RESPONSIVE DOWNHOLE TOOL WITH HYDRAULIC LOCKOUT	RINGGENBERG, PAUL D.
<u>07807027</u>	<u>5236048</u>	150	12/10/1991	APPARATUS AND METHOD FOR COMMUNICATING ELECTRICAL SIGNALS IN A WELL, INCLUDING ELECTRICAL COUPLING FOR ELECTRIC CIRCUITS THEREIN	RINGGENBERG, PAUL D.
<u>07965100</u>	<u>5335731</u>	250	10/22/1992	FORMATION TESTING APPARATUS AND METHOD	RINGGENBERG, PAUL D.
<u>08004337</u>	<u>5341883</u>	250	01/14/1993	PRESSURE TEST AND BYPASS VALVE WITH RUPTURE DISC	RINGGENBERG, PAUL D.
<u>08157657</u>	<u>5423229</u>	250	11/26/1993	APPARATUS AND METHOD FOR DRAINING HIGH PRESSURE FLUID SAMPLES WITHOUT MERCURY	RINGGENBERG, PAUL D.
<u>08290653</u>	<u>5555945</u>	150	08/15/1994	EARLY EVALUATION BY FALL-OFF TESTING	RINGGENBERG, PAUL D.
<u>08292131</u>	<u>5540280</u>	150	08/15/1994	EARLY EVALUATION SYSTEM	RINGGENBERG, PAUL D.

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First Name = PAUL

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>08292341</u>	Not Issued	161	08/15/1994	INTEGRATED WELL DRILLING AND EVALUATION	RINGGENBERG, PAUL D.
<u>08502451</u>	5649597	150	07/14/1995	DIFFERENTIAL PRESSURE TEST/BYPASS VALVE AND METHOD FOR USING THE SAME	RINGGENBERG, PAUL D.
<u>08578489</u>	Not Issued	166	12/26/1995	EARLY EVALUATION SYSTEM WITH PUMP AND METHOD OF SERVICING A WELL	RINGGENBERG, PAUL D.
<u>08634540</u>	Not Issued	161	04/18/1996	CIRCULATING VALVE RESPONSIVE TO FLUID FLOW RATE THERE THROUGH AND ASSOCIATED METHODS OF SERVICING A WELL	RINGGENBERG, PAUL D.
<u>08642733</u>	5823264	250	05/03/1996	TRAVEL JOINT FOR USE IN A SUBTERRANEAN WELL	RINGGENBERG, PAUL D.
<u>08657265</u>	5807082	150	06/03/1996	AUTOMATIC DOWNHOLE PUMP ASSEMBLY AND METHOD FOR OPERATING THE SAME	RINGGENBERG, PAUL D.
<u>08699613</u>	5791414	150	08/19/1996	EARLY EVALUATION FORMATION TESTING SYSTEM	RINGGENBERG, PAUL D.
<u>08757150</u>	6236620	150	11/27/1996	INTEGRATED WELL DRILLING AND EVALUATION	RINGGENBERG, PAUL D.
<u>08788071</u>	5826657	150	01/23/1997	APPARATUS AND METHOD FOR SELECTIVELY LOCKING A DOWNHOLE TESTER VALVE IN AN OPEN POSITION	RINGGENBERG, PAUL D.

<u>08792744</u>	<u>5826662</u>	150	02/03/1997	APPARATUS FOR TESTING AND SAMPLING OPEN-HOLE OIL AND GAS WELLS	RINGGENBERG, PAUL D.
<u>08801754</u>	<u>5782302</u>	150	02/18/1997	APPARATUS AND METHOD FOR LOADING FLUID INTO SUBTERRANEAN FORMATIONS	RINGGENBERG, PAUL D.
<u>08829923</u>	<u>5890542</u>	150	04/01/1997	APPARATUS FOR EARLY EVALUATION FORMATION TESTING	RINGGENBERG, PAUL D.
<u>08931762</u>	<u>5965964</u>	150	09/16/1997	METHOD AND APPARATUS FOR A DOWNHOLE CURRENT GENERATOR	RINGGENBERG, PAUL D.
<u>08941883</u>	<u>5799733</u>	150	09/30/1997	EARLY EVALUATION SYSTEM WITH PUMP AND METHOD OF SERVICING A WELL	RINGGENBERG, PAUL D.
<u>08957299</u>	<u>5942990</u>	150	10/24/1997	ELECTROMAGNETIC SIGNAL REPEATER AND METHOD FOR USE OF SAME	RINGGENBERG, PAUL D.
<u>08987991</u>	<u>6018501</u>	150	12/10/1997	SUBSEA REPEATER AND METHOD FOR USE OF THE SAME	RINGGENBERG, PAUL D.
<u>09014351</u>	Not Issued	161	01/27/1998	DOWNHOLE TELEMETRY SYSTEM AND METHOD FOR REMOTE COMMUNICATION	RINGGENBERG, PAUL D.
<u>09238266</u>	<u>6230811</u>	150	01/27/1999	INTERNAL PRESSURE OPERATED CIRCULATING VALVE WITH ANNULUS PRESSURE OPERATED SAFETY MANDREL	RINGGENBERG, PAUL D.
<u>09265905</u>	<u>6109354</u>	150	03/10/1999	CIRCULATING VALVE RESPONSIVE TO FLUID FLOW RATE THERE THROUGH AND ASSOCIATED METHODS OF SERVICING A WELL	RINGGENBERG, PAUL D.
<u>09427324</u>	<u>6343650</u>	150	10/26/1999	TEST, DRILL AND PULL SYSTEM AND METHOD OF TESTING AND DRILLING A WELL	RINGGENBERG, PAUL D.
<u>60127106</u>	Not Issued	159	03/31/1999	METHODS OF DOWNHOLE TESTING SUBTERRANEAN FORMATIONS AND	RINGGENBERG, PAUL D.

				ASSOCIATED APPARATUS THEREFOR	
<u>09493801</u>	Not Issued	164	01/28/2000	Vibration based downhole power generator	RINGGENBERG, PAUL DAVID
<u>09602503</u>	Not Issued	161	06/23/2000	Inflatable side wall anchor	RINGGENBERG, PAUL DAVID
<u>09876976</u>	<u>6504258</u>	150	06/08/2001	VIBRATION BASED DOWNHOLE POWER GENERATOR	RINGGENBERG, PAUL DAVID
<u>09971205</u>	<u>6527052</u>	150	10/04/2001	METHODS OF DOWNHOLE TESTING SUBTERRANEAN FORMATIONS AND ASSOCIATED APPARATUS THEREFOR	RINGGENBERG, PAUL DAVID
<u>09971223</u>	<u>6446719</u>	150	10/04/2001	METHODS OF DOWNHOLE TESTING SUBTERRANEAN FORMATIONS AND ASSOCIATED APPARATUS THEREFOR	RINGGENBERG, PAUL DAVID
<u>09971248</u>	<u>6446720</u>	150	10/04/2001	METHODS OF DOWNHOLE TESTING SUBTERRANEAN FORMATIONS AND ASSOCIATED APPARATUS THEREFOR	RINGGENBERG, PAUL DAVID
<u>10270424</u>	<u>6729398</u>	150	10/11/2002	METHODS OF DOWNHOLE TESTING SUBTERRANEAN FORMATIONS AND ASSOCIATED APPARATUS THEREFOR	RINGGENBERG, PAUL DAVID
<u>10464096</u>	<u>6848189</u>	150	06/18/2003	METHOD AND APPARATUS FOR MEASURING A DISTANCE	RINGGENBERG, PAUL DAVID
<u>10762594</u>	<u>7073579</u>	150	01/22/2004	METHODS OF DOWNHOLE TESTING SUBTERRANEAN FORMATIONS AND ASSOCIATED APPARATUS THEREFOR	RINGGENBERG, PAUL DAVID
<u>10762835</u>	<u>7021375</u>	150	01/22/2004	METHODS OF DOWNHOLE TESTING SUBTERRANEAN FORMATIONS AND ASSOCIATED APPARATUS THEREFOR	RINGGENBERG, PAUL DAVID
<u>10762936</u>	<u>7086463</u>	150	01/22/2004	METHODS OF DOWNHOLE TESTING SUBTERRANEAN FORMATIONS AND ASSOCIATED APPARATUS	RINGGENBERG, PAUL DAVID

				THEREFOR	
<u>09378124</u>	<u>6325146</u>	150	08/19/1999	METHODS OF DOWNHOLE TESTING SUBTERRANEAN FORMATIONS AND ASSOCIATED APPARATUS THEREFOR	RINGGENBERG, PAUL DAVID
<u>09465419</u>	<u>6328103</u>	150	12/16/1999	METHODS AND APPARATUS FOR DOWNHOLE COMPLETION CLEANUP	RINGGENBERG, PAUL DAVID

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